

Title (en)
GUARDRAIL BARRIER

Publication
EP 0356686 B1 19930217 (EN)

Application
EP 89113221 A 19890719

Priority
• IT 1243289 A 19890224
• IT 1253288 A 19880803

Abstract (en)
[origin: EP0356686A1] A metallic guardrail barrier comprises a sustaining post (2), a spacing member (3) extending paralelly to the ground, secured at one side to the said sustaining post (1) and carrying at the other side a supporting member (5) to which the rail (1) is secured. The rail supporting member (5) is mounted on the said spacing element (3) so as to be swingable about a fulcrum (4) parallel to the longitudinal direction of the rail (1) and located at a level not coinciding with the level of the centerline of the rail (1). Shock absorbing means (6, 7) are provided to dampen the swinging movement of the supporting member (5) around the fulcrum (4), following to impact of a vehicle against the rail (1), in a manner which is proportional to the intensity of the said impact. The shock absorbing means comprise a pin (7) or other suitable connecting or coupling element which connects the said supporting member (5) to the said spacing element (3) at a certain distance from the said fulcrum (4) and which is adapted to tear or rupture an area weakened by holes and/or other means which is located on said supporting member (5) and/or spacing element (3-103).

IPC 1-7
E01F 15/00; F16F 7/12

IPC 8 full level
E01F 15/04 (2006.01); **F16F 7/12** (2006.01)

CPC (source: EP)
E01F 15/04 (2013.01); **E01F 15/0415** (2013.01); **E01F 15/0438** (2013.01); **F16F 7/12** (2013.01)

Cited by
EP1816263A1; US5921702A; KR100903522B1; FR2694313A1; TR27313A; US5044609A; EP1496160A1; FR2857386A1; KR100573801B1; ES2238199A1; EP1710353A1; EP0543277A1; TR26916A; FR2862320A1; EP1533423A1; EP0708206A1; EP0554864A1; EP0560743A1; WO0028147A1; WO2016156898A1; US10895048B2; JP2008540885A; WO2006123864A1; WO2006106159A1

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR LI LU NL SE

DOCDB simple family (publication)
EP 0356686 A1 19900307; EP 0356686 B1 19930217; DE 68904936 D1 19930325; DE 68904936 T2 19930603; ES 2038379 T3 19930716; GR 3007105 T3 19930730; PT 91344 A 19900308; PT 91344 B 19950706

DOCDB simple family (application)
EP 89113221 A 19890719; DE 68904936 T 19890719; ES 89113221 T 19890719; GR 930400038 T 19930218; PT 9134489 A 19890802